

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

ZHANG et al.

Group Art Unit: 2128

Application No. 09/840,444

Examiner: H. Jones

Filed: April 24, 2001

For:

DIGITIZED MECHANICAL FUNCTIONAL DESIGN

#### INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Service Window, Mail Stop Amendment
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Pursuant to 37 CFR 1.97 and 1.98, the references listed on the enclosed Form PTO-1449 and/or Substitute Form PTO-1449 ("Form 1449") are submitted for consideration by the Examiner in the examination of the above-identified patent application.

The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form 1449, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Form 1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application. The right is expressly reserved to establish an invention date earlier than the above-identified filing date in order to remove any reference submitted herewith as prior art should it be deemed appropriate to do so.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

In re Appln. of ZHANG et al. Application No. 09/840,444

| The In      | formatio  | n Disclosure Statement is being filed:   |  |
|-------------|---|--|--|
|             | date of<br>37 CFR<br>set forth<br>of a firs   | any one of the following time periods: (a) within three months of the filing a national application other than a continued prosecution application under 1.53(d); (b) within three months of the date of entry of the national stage as h in 37 CFR 1.491 of an international application; (c) before the mailing date at Office Action on the merits; or (d) before the mailing of a first Office Action e filing of a request for continued examination under 37 CFR 1.114.  |  |
| $\boxtimes$ | after (a), (b), (c) or (d) above, but before the mailing date of a final action und 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an action the otherwise closes prosecution in the application, and includes <i>one</i> of: |  |  |
|             |   | the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below).   |  |
|             | $\boxtimes$   | the fee of \$180 set forth in 37 CFR 1.17(p) (see "Fees" below).   |  |
|             | under 3<br>and on<br>37 CFR   | re mailing date of a final action under 37 CFR 1.113 or a Notice of Allowance 7 CFR 1.311, or an action that otherwise closes prosecution in the application, or before payment of the issue fee, and includes the Statement under 1.97(e) (see "Statement under 37 CFR 1.97(e)" below), and the fee of \$180 as in 37 CFR 1.17(p) (see "Fees" below).   |  |
|             | payment<br>containe<br>37 CFR<br>\$180 as<br>NOTE: 7<br>May 29,   | the mailing date of a Notice of Allowance under 37 CFR 1.311, and on or before at of the issue fee, and within thirty days of receiving each item of information and includes the Statement under 1.704(d) (see "Statement under 37 CFR 1.704(d)" below), and the fee of set forth in 37 CFR 1.17(p) (see "Fees" below).  This is for original applications except applications for a design patent, filed on or after 2000, wherein a paper containing only an Information Disclosure Statement in compliance CFR 1.97 and 1.98 is being filed. |  |
| Copies      | s of the l  | References   |  |
| $\boxtimes$ | Copies  | of the references listed on the enclosed Form 1449 are enclosed herewith.  |  |
|             | Form 1  | of U.S. patents and patent applications that are listed on the accompanying 449 are not enclosed herewith. Copies of other references identified on the anying Form 1449 are enclosed herewith.  |  |
|             | relevant<br>an Englaction laction laction   | ed to each reference not in the English language is a concise explanation of the ce pursuant to 37 CFR 1.98(a)(3). An English-language equivalent/patent, or lish-language abstract, or an English-language version of the search report or by a foreign patent office in a counterpart foreign application indicating the of relevance found by the foreign office is being submitted in lieu of a concise ation of the relevance pursuant to 37 CFR 1.98(a)(3).  |  |

| In re A  | Appln. of ZHANG e cation No. 09/840,4  | t al.<br>44  |  |  |   |
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|          | A copy of the forei  | gn search report is enclos   | sed herewith.  |  |   |
|          | parent application( furnished at that to submitted herewith The Examiner is accordance with to Procedure. In accordance to the topon for an  | ed on the enclosed Forms) of the present applications. Accordingly, add a so as not to burden the respectfully requested the requirements set of ordance with 37 CFR 1.98 and earlier filing date underviously furnished are set | ation, and control ditional copies e file with dur to carefully ut in the Ma B(d), the detail der 35 USC 1 | pies of the reference of the reference of the reference of the parer of the parer  | references were rences are not so of references in references in tent Examining at application(s) |
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| Fees     | and Method of Payn   | nent of Fees   |  |  |   |
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In re Appln. of ZHANG et al. Application No. 09/840,444

### **Authorization to Charge Additional Fees**

If any additional fees are owed in connection with this communication, please charge Deposit Account No. 12-1216. (A duplicate copy of this communication is enclosed for that purpose.)

## Instructions as to Overpayment

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Refund

Respectfully submitted,

ffrey A. Wyana, Reg. No. 29,458

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Washington, DC 20005-3960 (202) 737-6770 (telephone) (202) 737-6776 (facsimile)

Date:

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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| E/                     | Complete if Known | _   |
|------------------------|-------------------|-----|
| pplication Number      | 09/840,444        | 7.1 |
| Filing Date            | April 24, 2001    |     |
| First Named Inventor   | ZHANG             | •   |
| Group Art Unit         | 2128              |     |
| Examiner Name          | H. Jones          |     |
| Attorney Docket Number | 401185            |     |

|                      |          | OTHER - NON PATENT LITERATURE DOCUMENTS   | Τ   | -l-4!       |
|----------------------|----------|---|-----|-------------|
| Examiner<br>Initials | Doc. No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.  | Yes | No*+        |
|                      | C 1      | LI, Y. et al.; "Integrated CAD for functional textiles and apparel", <i>Inst. of Textiles and Clothing, The Hong Kong Polytechnic Univ.,</i> Hung Hom, Kowloon, Hong Kong, pp. 8-11, in Ergonomics of Protective Clothing", Proceedings of NOKOBETEF 6 and 1 <sup>st</sup> European Conference on Protective Clothing, Stockholm, Sweden, May 7-10, 2000.   | ,   |             |
|                      | C 2      | HU, J. et al.; "Psycho-physiological mechanisms of thermal and moisture perceptions to the touch of knitted fabrics", <i>Inst. of Textiles and Clothing, The Hong Kong Polytechnic Univ.</i> , Hung Hom, Kowloon, Hong Kong, pp. 102-106, Ergonomics of Protective Clothing", Proceedings of NOKOBETEF 6 and 1 <sup>st</sup> European Conference on Protective Clothing, Stockholm, Sweden, May 7-10, 2000. |     |             |
|                      | C3       | LUO, Z. et al.; Heat preservation behavior of diving suit", Inst. of Textiles and Clothing, The Hong Kong Polytechnic Univ., Hung Hom, Kowloon, Hong Kong, pp. 255-258, Ergonomics of Protective Clothing", Proceedings of NOKOBETEF 6 and 1 <sup>st</sup> European Conference on Protective Clothing, Stockholm, Sweden, May 7-10, 2000.   |     |             |
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| Examiner  | Date       |  |
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| Signature | Considered |  |

<sup>\*</sup> A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

<sup>+</sup> An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).